B&K PRECISION Function Generators

B&K Precision offers a full-range of function generators so you can choose the generator best suited for your own activity or applications. The line consists of a variety of high performance generators including function, sweep/function, RF, and audio. All are rugged lab-grade instruments capable of satisfying a variety of engineering, testing, and service situations. Each has been engineered for high-reliability and user operating convenience.

2MHZ AND 5MHZ FUNCTION GENERATORS

Features:

- Sine, square, triangle, pulse, and ramp output
- Variable duty cycle
- Variable DC offset
- Two year warranty

MOUSER STOCK NO.	BK Precision Part No.	Fig.	Description	Price Each
615-4010A	4010A	A	2MHz	
615-4011A	4011A	B	5MHz	
615-4012A	4012A	B	5MHz Sweep w/Display	

4MHZ SWEEP FUNCTION GENERATORS

Features:

- TTL output <25nS (model 615-4003)
- TTL output <30nS (model 615-4001)
- Voltage control generator (VCG) input
- 100% DC offset
- 5 digit display (model 615-4003)
- Variable amplitude output plus 20dB attenuator
- One year warranty

MOUSER STOCK NO.	BK Precision Part No.	Fig.	Description	Price Each
615-4003A	4003A	C	4MHz w/ 5 Digit Display	

10MHZ SWEEP FUNCTION GENERATOR

Features:

- 0.1HZ-10MHz
- Linear and log sweep
- 5 digit LED display
- Sine, square, triangle, pulse, & ramp output
- Coarse and fine tuning
- Variable duty cycle
- Variable DC offset
- Two year warranty

MOUSER STOCK NO.	BK Precision Part No.	Fig.	Description	Price Each
615-4017A	4017A	D	Sweep	

12MHZ SWEEP FUNCTION GENERATOR

The model 4013DDS is a versatile sweep function generator utilizing an advanced direct digital synthesis (DDS) design.

Features:

- 12MHz Frequency Range (sine & square only)
- Sine, Square, Triangle
- Lin or Log Sweep Function
- Adjustable Duty Cycle
- Adjustable DC Offset

MOUSER STOCK NO.	BK Precision Part No.	Fig.	Description	Price Each
615-4013DDS	4013DDS	E	Sweep	

20MHZ FUNCTION GENERATOR W/ DISPLAY

The model 4045 DDS Function Generator is a must have for anyone needing a low cost, full featured direct digital synthesis (DDS) function generator with arbitrary waveform capabilities.

Features:

- 20MHz Frequency Range (sine & square only)
- Sine, Square, Triangle & Arbitrary Waveforms
- Clean, precise DDS waveform generation
- Modulation in both AM & FM
- Lin or Log Sweep Function
- Adjustable Duty Cycle
- Adjustable DC Offset
- Bright Informative LCD
- RS-232C Interface

MOUSER STOCK NO.	BK Precision Part No.	Fig.	Description	Price Each
615-4045	4045	F	With Display	

20MHZ SWEEP FUNCTION GENERATOR WITH FREQUENCY COUNTER

Features:

- 0.2Hz to 20MHz
- Sine, square, triangle, pulse, & ramp output
- Coarse and fine tuning
- AM & FM modulation
- External frequency counter to 30MHz
- Burst operation
- 5 digit LED display
- Linear and log sweep
- Variable duty cycle
- Variable DC offset
- Two year warranty

MOUSER STOCK NO.	BK Precision Part No.	Fig.	Description	Price Each
615-4040A	4040A	G	20MHz Sweep	

Accessories

615-LC-40	LC-40	-	Case	

50MHZ PROGRAMMABLE PULSE GENERATORS

Common Features:

- Repetition rate of 0.1 Hz to 50 MHz
- Flexible trigger modes: Continuous, Triggered (internal, external, manual), Gated Burst and External width
- Pulse width programmable from 10 ns to 10 s
- Transition times (rise and fall times) variable from 6 ns to 100 ms
- Programmable delay and double pulse
- Predefined amplitude levels for ECL, TTL, and CMOS signals
- Store up to 99 different test setups with auto retention of last power down setup
- 10 Vpp into 50 ohm output
- Closed case calibration
- Programmable via GPIB and RS-232
- SCPI compatible
- Three year warranty

PRODUCT NEW

Dual-Channel Model 4034

Features:

- Both channels offer full functionality and all parameters such as pulse width and transition time can be set independently
- Synchronize both channels with the push of a button
- Saves cost and bench space

MOUSER STOCK NO.	BK Precision Part No.	Fig.	Description	Price Each
615-4033	4033	H	50MHz Pulse Generator	
615-4034	4034	H	50MHz Pulse Generator	

PROGRAMMABLE AND ARBITRARY FUNCTION GENERATORS

Laboratory grade synthesized function generators. The versatility and capabilities make it an ideal tool for many general-purpose test and bench applications or for use in Training and Education.

Common Features:

- Clean and stable output of very small signals down to the 1mV to 10mV range (50 ohm)
- Support of internal and external modulation sources as well as internal, external and gated trigger sources
- Convenient data input via numeric keypad or knob.
- Adjust modulation parameters precisely and over a wide range
- Fully programmable via the standard RS232 interface using
- SCPI compatible commands.
- 100 MHz Universal Counter with frequency measurement and totalize function

Model 4084

Features:

- Frequency range of 1μHz to 20MHz for sine and square

MOUSER STOCK NO.	BK Precision Part No.	Fig.	Description	Price Each
615-4084	4084	I	Programmable	

Model 4086

Features:

- Frequency range of 1μHz to 80MHz for sine and up to 40 MHz for square

615-4086	4086	I	Programmable	

Model 4087

Features:

- Frequency range of 1μHz to 120MHz for sine and up to 40 MHz for square

615-4087	4087	I	Programmable	

ARBITRARY WAVEFORM FUNCTION GENERATORS

Model 4079

Features:

- 14-bit, 125 MSa/s, 4 M point Arbitrary Waveform Generator
- 50MHz Sine / 50MHz Square waveforms
- Predefined Pulse, Ramp, Triangle, Noise, Sin (X)/X, Exponential and Gaussian waveforms
- Both channels offer full functionality. All wave form parameters such as frequency, amplitude and offset can be set independently
- Synchronize both output signals to the same clock signal (external or internal) and precisely adjust the phase relationship between the two signals
- Large graphical LCD shows a detailed output waveform representation
- Economical baseband I/Q signal source
- Saves cost and bench space
- AM, FM and FSK modulation
- 10 mVpp to 10 Vpp into 50 ohms
- Fully programmable markers
- Fully protected output
- Closed case calibration
- Arbitrary waveform editing software included
- SCPI compliant command set
- GPIB and RS-232 Interfaces (standard)

MOUSER STOCK NO.	BK Precision Part No.	Fig.	Description	Price Each
615-4079	4079	H	Arbitrary Waveform	

A

B

C

D

E

F

G

H

I

© Copyright 2012 Mouser Electronics

© Copyright 2012 Mouser Electronics